

CLEAN VERSION OF THE AMENDED CLAIMS

Sub. cl 12. (new) A method for monitoring comprising the steps of:
employing converters (2,3,4,8);
disposing the converters (2,3,4, 8) at the support (1) or at the rolling bodies (7);
capturing forces occurring in the support (1) or at the rolling body (7) with the converters (2,3,4, 8);
generating electrical pulses in the converters (2,3,4, 8);
subjecting actively at least one of the electrical converters (2,3,4,8) disposed at the support (1) in the monitored region (1,7) of the technical rolling body (7) or at least at the technical rolling body (7) with electrical energy (5a,9);
signalizing electrical pulses from the converters (2,3,4, 8) to an electrical control and evaluation station (6);
detecting changes in state of the monitored region including material damages or separating damages by way of the electrical pulses;
feeding evaluable pulses (5a', 5b, 5c') from the converter (2, 3, 4, 8) into the support (1) or the rolling body (7), which pulses (5a', 5b, 5c') are captured by at least one of the converters (2,3,4,8), wherein pulses (5a', 5b, 5c') in turn are emitted by at least one of the converters (2,3,4,8);
capturing the pulses (5a', 5b, 5c') by the control and evaluation device (6) as evaluable pulses (5c, 9') for monitoring the region (1,7) of the technical rolling bodies (7) at any time relative to changes in state.

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Monitoring the region (1, 7) of the technical rolling bodies (7) in connection with rails of a wheel rail system or of a bearing.
